IN THE SPECIFICATION

Please replace the paragraph that begins on page 1, line 19, with the following amended paragraph:

With the development of ~~the network~~ networks and [[the]] communication, [[the]] human beings depend, more and more, on the modern communicating tools to obtain prompt information. ~~It becomes a hot~~ An issue in the art is to provide [[the]] subscription service relative to locations to mobile users by means of a Global ~~Positing~~ Positioning System (GPS).

Please replace the paragraph that begins on page 1, line 27, with the following amended paragraph:

Typically, a location service information providing device 105 receives the subscription service requests on the requestee 1, 2 or M sent from the requester 1, 2 or N via a network 101. The requestee may be, for example, a pervasive device such as a mobile telephone or a [[PDA]] Personal Digital Assistant (PDA); the subscription service requests may be, for example, [[the]] a request seeking where the requestee i ($1 \leq i \leq M$, i and M are positive integers) is [[in]] at a certain time or during a certain time period, sent by the requester j ($1 \leq j \leq N$, j and N are positive integers); or [[the]] a request relating to ~~the special~~ a spacial and/or temporal condition based on [[the]] location of the requestee i, such as when the requestee i is located at [[the]] a gate of a certain hotel. The requester may be [[the]] a user holding the mobile telephone or the PDA; or [[the]] other users interested in the tracks of the ~~users owning the requestees~~ persons holding the mobile telephone or the PDA, such as [[the]] parents of [[their]] children, and ~~the~~ a taxi company that [[the]] taxi drivers belong to.

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Please replace the paragraph that begins on page 1, line 21, with the following amended paragraph:

The processing capabilities of the pervasive devices have become more powerful but the cost thereof [[is]] has decreased, with the development of the hardware of the [[load-in]] onboard processor and [[the]] memory. Then Therefore, many calculations may be performed in the pervasive devices, which otherwise [[are]] were done in the service information providing device 305. Such a change does not increase the cost of the system as a whole. On the other hand, many pervasive devices may position themselves by self-positioning system, with the development of the positioning system such as the GPS.

Please replace the paragraph that begins on page 5, line 13, with the following amended paragraph:

The pervasive device 310 receives the generated task from the location service information providing device 305, executes the task, generates the subscription information corresponding to the subscription service request, and sends the generated subscription information to the requester j. It will describe the The process of the pervasive device 310 in the later is described below.

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Please replace the paragraph that begins on page 6, line 21, with the following amended paragraph:

In figure 3, the subscription information ~~sending~~ from the pervasive device 310 to the requester j is transferred along the path of the pervasive device 310 → the network 110 → the location service information providing device 305 → the network 101 → the requester j. This transferring path is especially appropriated to the situation when the pervasive device 310 itself is not [[the]] a terminal belonging to the requester j. ~~however~~ However, when the pervasive device 310 itself is the terminal belonging to the requester j, the subscription information need not to be transferred along the path. The subscription information, in turn, may be presented to the requester j in the form of voice, text or image. Moreover, when pervasive device 310 itself is not the terminal belonging to the requester j, the subscription information may be sent to the requester j by the way of sending a short message to the terminal designated by the requester j from the pervasive device 310. The invention may utilize ~~all the~~ prior art for sending the subscription information to the requester j to realize the process of feeding back the subscription information.

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Please replace the paragraph that begins on page 6, line 36, with the following amended paragraph:

~~In addition, Although two~~ Two networks are used ~~in, for example, in figure 3, the~~ as an example in figure 3. The network 101 and the network 110 are used to represent the network connection between the requester j and the location service information providing device 305, and the network connection between the location service information providing device 305 and the pervasive device 310, respectively. It will be understood ~~for the~~ by persons in the art that[[,]] the network 101 and the network 110 may be the same network, especially when the pervasive device 310 itself is the terminal belonging to the requester j, and the requester j and the pervasive 310 are located in the same place. In this situation, the requester j may input a subscription <u>service</u> request through the pervasive device 310, and receive the subscription information through the pervasive device 310.

Please replace the paragraph that begins on page 7, line 11, with the following amended paragraph:

In addition, the requester j may input a subscription service request via an input interface not shown, which may be provided by the service provider running the location service <u>information</u> providing device 305 and downloaded to the requester.

Please replace the paragraph that begins on page 7, line 26, with the following amended paragraph:

The subscription service request receiving unit 401 receives the subscription service request from the requester j, specifies [[the]] data relative to [[the]] <u>spacial</u> geographical location included in the subscription service request information based on the subscription service request ~~information~~, such as [[the]] <u>a</u> place name and [[the]] <u>a</u> building name, and sends the specific <u>spacial</u> geographical location data to the geographical information extracting unit 405. Further, the subscription service request receiving unit 401 sends the subscription service request to the task generator 410. It will be understood ~~for the~~ <u>by</u> persons in the art that the subscription service request may be in the form of voice or text; and the operation of specifying the geographical location data may be implemented by known character recognizing, image recognizing or voice recognizing technique.

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Please replace the paragraph that begins on page 7, line 26, with the following amended paragraph:

The corresponding task application generation module(s) is/are called from the task application generation module storage unit 420. The module may be, for example, the module for generating the task based on spacial related trigger(s), the module for generating the task based on temporal related trigger(s) and the module for generating the task based on spacial and temporal related trigger(s). One or more task applications are generated based on the generated spacial and/or temporal related trigger(s), by using the task application generation module(s). The task applications, in ~~essential~~ essence, are the programs for generating the subscription information responding to the subscription service request of the requester when running. The task applications include the process for controlling when to detect the current geographical location ~~where~~ of the pervasive device 310 ~~locates~~ based on the trigger(s), and the process for generating the subscription service information satisfying the spacial and/or temporal triggers by calculating based on the detected geographical location. The process of the task applications will be described in ~~details~~ detail later.

Please replace the paragraph that begins on page 9, line 32, with the following amended paragraph:

At step S710, the geographical information extracting unit 405 extracts the spacial geographical location information relating to the specified geographical location data from the geographical information storage unit 415, based on the specified geographical location data received from the subscription service request receiving unit 401.

Please replace the paragraph that begins on page 10, line 7, with the following amended paragraph:

At step S720, the task generator 410 generates a task, based on the generated task applications and the spacial geographical location information extracted by the geographical extracting unit 405, and sends the task to the pervasive device 310 via the network 110.

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Please replace the paragraph that begins on page 10, line 18, with the following amended paragraph:

When there is a ~~spacial~~ special requirement on the subscription service requests from the requester, for example, when the requester has [[the]] priorities on the response with respect to the several triggers or several subscription service requests, the task generator 410 also sets [[the]] a controlling program for controlling the priorities of running the several task applications or sets other controlling ~~program~~ programs corresponding to the specific requirement when generating the tasks. The controlling program may be integrated into the task and sent to the pervasive device 310 or separately sent to the pervasive device.

Please replace the paragraph that begins on page 11, line 3, with the following amended paragraph:

The task receiving unit 501 receives the task generated by the task generator 410 and downloaded from the location service information providing device 305 via the network 110, stores the task application included in the task into the task application storage unit 520 and stores the spacial geographical location information included in the task [[in]] into the geographical information storage unit 515. In addition, the task receiving unit 501 notifies the task executing engine 505 [[the]] of a message of receiving the task, and sends the controlling program to the task executing engine 505 when there is a controlling program.

Please replace the paragraph that begins on page 12, line 31, with the following amended paragraph:

At step S901, the task application monitors the trigger. At step S905, it detects whether or not the trigger is on. And if it is needed to detect the current geographical location of the pervasive device 310, it proceeds to step S910. At this step, a request is sent to the self-positioning unit 525 to detect the current geographical location of the pervasive device 310. At [[setp]] step S915, it receives the current geographical location of the pervasive device 310 detected by the self-positioning unit 525 in response to the request of the task application. At step S920, the task application ~~calculates~~ performs calculations based on the current geographical location information to generate the subscription information satisfying the trigger.

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